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**United States Patent** [19]**Narendranath et al.**[11] **Patent Number:** **5,751,434**[45] **Date of Patent:** **May 12, 1998**[54] **AREA DEPENDENT DRAFT PRINTING  
SYSTEM**[75] Inventors: **Nagesh H. Narendranath; Fritz F.  
Ebner**, both of Rochester, N.Y.[73] Assignee: **Xerox Corporation**, Stamford, Conn.[21] Appl. No.: **884,399**[22] Filed: **Jun. 27, 1997**[51] **Int. Cl.<sup>6</sup>** ..... **H04N 1/40; H04N 1/46**[52] **U.S. Cl.** ..... **358/298; 358/448; 358/530**[58] **Field of Search** ..... 358/296, 298,  
358/300, 448, 518, 519, 530; 347/131,  
133, 251, 254; 399/27[56] **References Cited****U.S. PATENT DOCUMENTS**

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*Primary Examiner*—Eric Frahm[57] **ABSTRACT**

A system for reducing toner or ink consumption in rendering images, in which reduced slope tone reproduction curve(s) or other draft/clip mode toner consumption reduction systems to render images on an object-oriented basis are used. Rendering systems including the use of single or multiple colors can be employed.

**18 Claims, 5 Drawing Sheets**